

SEQUENTIAL
BINARY SEARCH

~10
SORT ENTRIES
OF TABLE IN
INCREASING
ORDER

~12
SELECT
MIDDLEMOST
ENTRY IN
REMAINING TABLE

~14
COMPARE
SELECTED ENTRY
TO SEARCH KEY

~16
SELECTED
ENTRY
= SEARCH
KEY?
T
F

~18
OUTPUT INDEX
OF SELECTED
ENTRY

END

~20
SELECTED
ENTRY >
SEARCH
KEY?
T
F

~22
DISCARD UPPER
HALF OF
REMAINING TABLE

~24
DISCARD LOWER
HALF OF
REMAINING TABLE

FIGURE 1 (PRIOR ART)

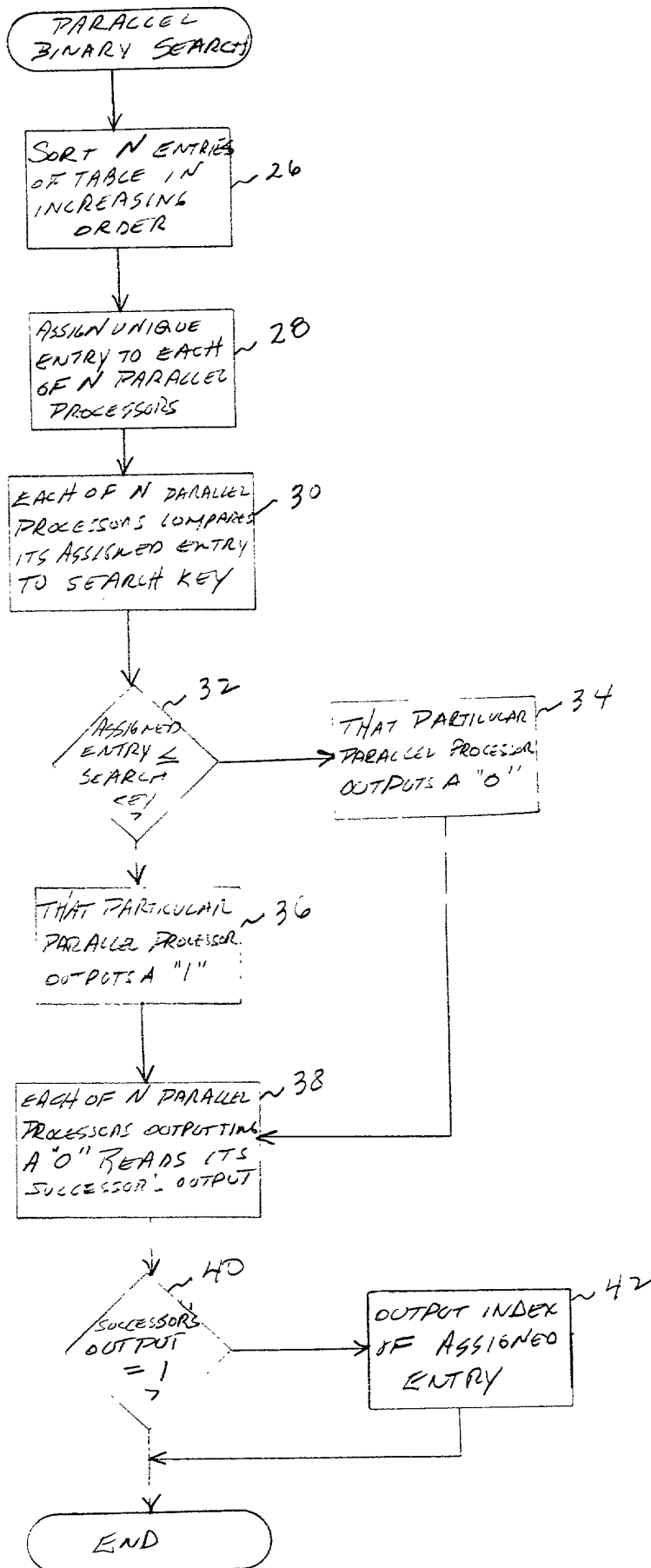


FIGURE 2 (PRIOR ART)

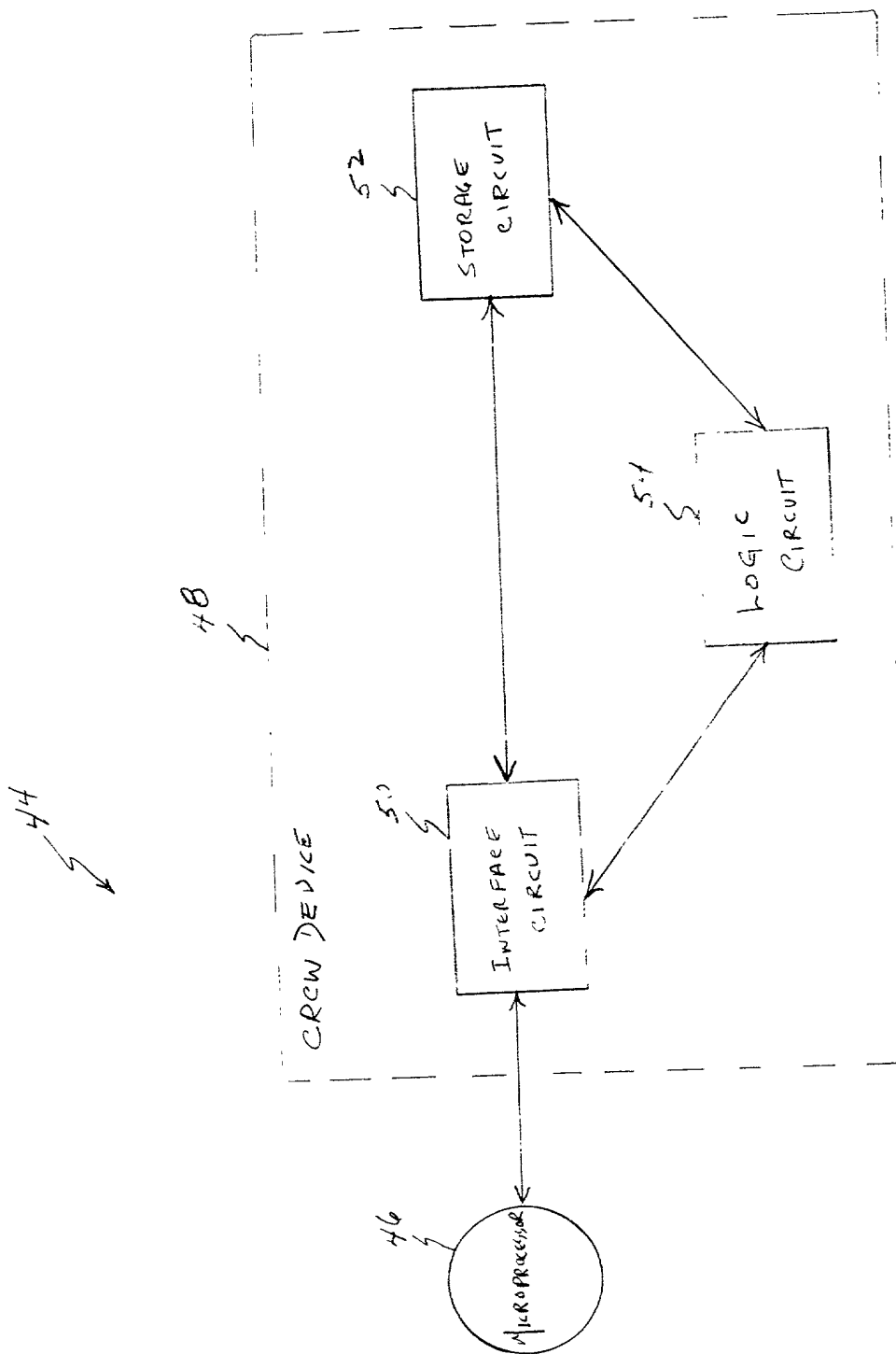


Figure 3

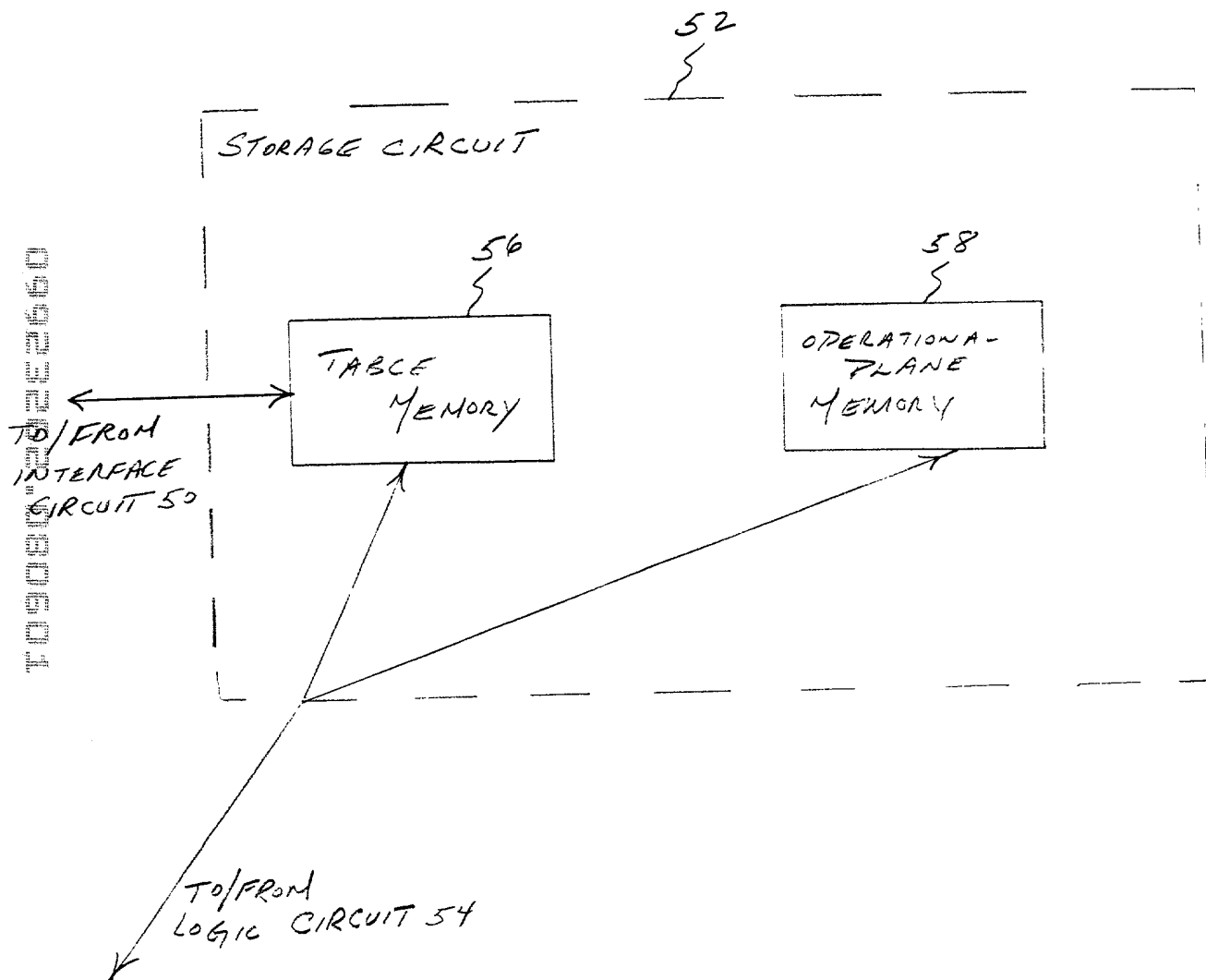


FIGURE 4

TABLE 0

TABLE 0

64

62

BYTE (0,0,0)

60

	COLUMN 0	COLUMN 1	COLUMN 2	COLUMN N
Row 0	BYTE	BYTE	BYTE 0000	BYTE
Row 1	BYTE	BYTE	BYTE 0000	BYTE
...
Row N	BYTE	BYTE	BYTE 0000	BYTE

0
0
0

TABLE N

	COLUMN 0	COLUMN 1	COLUMN 2	COLUMN N
Row 0	BYTE	BYTE	BYTE 0000	BYTE
Row 1	BYTE	BYTE	BYTE 0000	BYTE
...
Row N	BYTE	BYTE	BYTE 0000	BYTE

FIGURE 5

MICROPROCESSOR

CRCW DEVICE

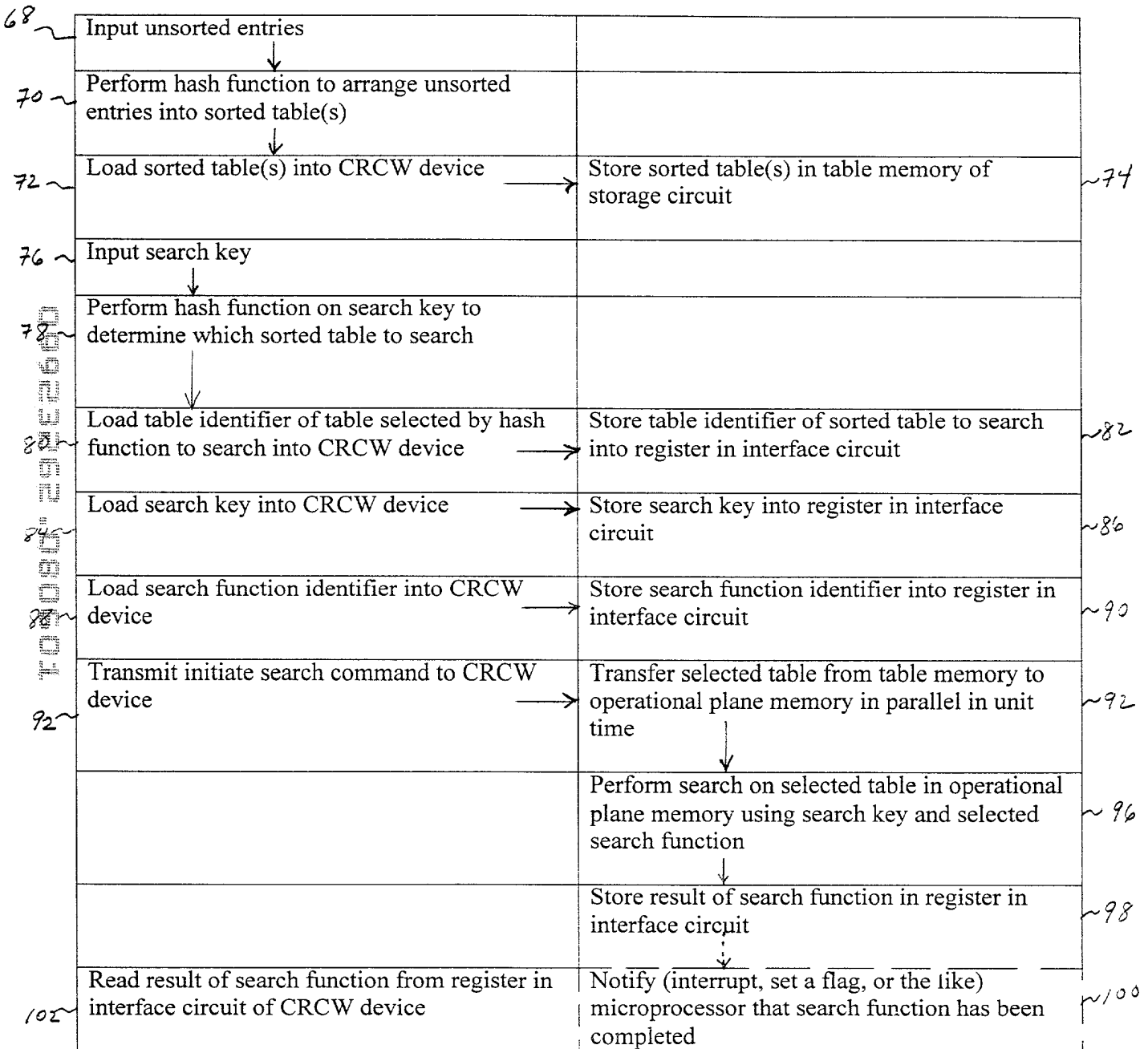


FIGURE 6